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Cold Regions Research &
Engineering Laboratory

News Release

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Lab's Educational Outreach Program is in the Red

Hanover, N.H.—Science students from the Mascoma Valley High School will conduct potential cost saving infrared surveys of their school. To assist them in this effort of applying theory to practice Mr. Alan Greateorex, a member of the engineering staff at the U.S. Army Cold Regions Research and Engineering Laboratory (CRREL), will be on-hand equipped with the necessary infrared equipment and technical expertise to make this possible.

The Savings Through Energy Management (STEM) is an interdisciplinary program that enables, through various funding mechanisms, secondary school students and teachers to apply academic skills to real energy problems in the school -- and in some case studies schools have realized savings of up to \$40,000 a year in energy costs. The STEM program exists in all the New England states. The Mascoma program has received financial support from the Governor's Office of Energy and Community Services and from N.H. Electric Coop.

As part of CRREL's many educational outreach programs, its involvement with STEM began more than 10 years ago with some 20 programs using infrared surveys in New Hampshire and Vermont. Infrared technology is very appropriate for this type of application since it is something the students can see -- infrared technology makes heat visible, allowing students to see the areas where heat is lost from their school building. This service to STEM is part of CRREL's outreach to schools to enhance education in math, science and technology.

The practical portion of the program will begin on Thursday, March 4, at the Mascoma Valley High School with a classroom demonstration by Mr. Greateorex at 2:00 p.m. The infrared survey will follow from 6:00-8:00 p.m. (The snow date is Thursday, March 11.) Please check directly with the school at (603) 632-5419 to confirm date and actual building location.

For more information regarding similar CRREL educational outreach programs, please contact Ms. Marie Darling, Public Affairs Office, (603) 646-4292. For more details on the STEM program contact Mr. Alan Greateorex at (603) 646-4210, email:agreatx@crrel.usace.army.mil.

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